

International Conference on Land-Cover and Land-Use Change Processes in North East Asia Region

2~5 February, 2005 / Harbin, China

(First Announcement)

Organized by

Institute of Geographical Science and Natural Resources (IGSNRR), China
Institute of Remote Sensing and Applications (IRSA), China
Chinese Academy of Science (CAS), China
Michigan State University (MSU), USA

Hosted by

Heilongjiang Bureau of Surveying and Mapping (HLJBSM), China

Co-Sponsored by

Ministry of Science and Technology (MOST), China
Jiangxi Normal University (JNU), China
Northeast Agricultural University (NEAU), China
Xinjiang University (XU), China
Michigan State University (MSU), USA

November, 2004

***International Conference on Land-Cover and Land-Use Change Processes in
North East Asia Region***

国际远东地区土地利用与覆盖变化会议

February 2-5, 2005

Harbin, China

Conference Rationale

The North East Asia Region (NEAR) comprises about 30% of the boreal ecosystems within the geographic domain of the Northern Eurasia Earth Science Partnership Initiative (NEESPI) (<http://neespi.gsfc.nasa.gov>). Deforestation, wetland reduction, grassland degradation, soil salinity, soil erosion, loss of biodiversity, and rapid urbanization are becoming pressing issues. Yet, little is known about the land cover dynamics of the region, its root causes, consequences in terms of global carbon sequestration and the regional climate variation. Many years of research activities in the region have produced a large body of knowledge and data that can be made available to support new research activities. Better understanding of available data resources, current research activities, and specific issues facing the region, is critical for the Global Observations of Forest-Cover and Land-cover Dynamics (GOFC/GOLD) International Project, global carbon sequestration estimates (GTOS), and Global Land Project (GLP). This North East Asia regional conference on Land-Cover and Land-use Change (LCLUC) processes is designed to promote research activities, foster collaboration and the development of research infrastructure among the scientists in the region to address regional environmental issues. The specific goals of this international conference are to:

- Present the state-of-the-art knowledge on LCLUC processes, root causes, consequences, modeling, and sustainable development in the region
- Improve our understanding of ecosystem dynamics, including boreal forests, woodlands, wetlands, and managed ecosystems

The focus will be on the LCLUC processes in the region east of 105E longitude and north of 40N latitude, to address specific issues in this region. It is expected that the outcome of this conference will include a CD with presentations and list of research projects and datasets for the region, which would promote data sharing and foster collaborations with the Northern Eurasia Regional Information Network – a regional network of the GOFC/GOLD Project.

Conference topics:

- Land-cover and land-use dynamics in the North East Asia region (NEAR), including fires
- Ecosystem Dynamics, including Carbon, Water and Nutrient Cycles
- Ecological and socioeconomic causes and consequences in North East Asia landscapes (forests, woodlands, wetlands, croplands, grazing lands and urban), including health and environmental impacts
- Geospatial technologies and analytical tools for LCLUC analysis
- Educating LCLUC in the NEAR: Contribution to NEESPI educational component

Organizing Committee (*unconfirmed*)

- Chairs: David Skole (MSU), Jiyuan Liu (CAS)
- Vice-Chair: Liqin Shao (MOST)
- Hosts:
 - Heilongjiang Bureau of Surveying and Mapping (HLJBSM)
 - Institute of Geographical Science and Natural Resources Research (IGSNRR) of CAS
 - Institute of Remote Sensing and Applications (IRSA) of CAS
 - Jiangxi Normal University (JNU)
 - Michigan State University (MSU)
 - Ministry of Science and Technology (MOST)
- Committee members:
 - Alexander Sheingauz, Economic Research Institute, Russia
 - Chris Schmullius, Friedrich-Schiller-University, Germany
 - David Skole, Michigan State University, USA
 - Don Deering, NASA, USA
 - Garik Gutman, NASA, USA
 - Guoping Lei, Northeast Agricultural University, China
 - Guoqing Sun, University of Maryland, USA
 - Hank Shugart, University of Virginia, USA
 - Jiaguo Qi, Michigan State University, USA
 - Jiyuan Liu, IGSNRS, CAS, China
 - Kenji Iiyama, University of Tokyo, Japan
 - Le Toan Thuy, CESBIO, France
 - Michael Brady, GOFC-GOLD Project Office, Canada
 - Ming-Ying Wei, NASA, USA
 - Mitsuru Osaki, Hokkaido University, Japan
 - Olga Krankina, Oregon State University, USA
 - Paul Reichert, SDRN, FAO, UN
 - Peng Gong, Institute of Remote Sensing and Applications, CAS, China
 - Qinxue Wang, NIES, Japan
 - Shuming Bao, Jiangxi Normal University, China
 - Yili Zhang, IGSNRS, CAS, China
 - Zengyuan Li, Institute of Forestry Resources Information Techniques, CAS, China

Secretariat

Secretary General: Jiaguo Qi

Executive Secretaries: Tang Yanli, HLJBSM

Tan Jiqiang, HLJBSM

Chi Xiaoming, HLJBSM

Conference Language

English is the official conference language for oral presentations. The Conference will not provide simultaneous translation service

Venue

The International Conference on Land-Cover and Land-Use Change Processes in North East Asia will be held from 2 to 5 February, 2005 in the meeting room of the HLJBMS, Harbin, P. R. China.

Preliminary Conference Agenda

Wednesday, February 2

Arrival of participants

18:00- 20:00 Reception dinner

Thursday, February 3

Morning Session: Land-cover and land-use dynamics in the NEAR, including fires

8:00 – 10:00 Opening Ceremony

- Welcome from local hosts, CAS, GOFC/GOLD(NERIN), and NEESPI,.
- GOFC/GOLD update
- NEESPI update

10:00 – 10:30 Coffee break and group photo

10:30 – 12:00 Oral presentations

- Oral presentations (4 speakers x 20-minute presentation)

Lunch Break (12.00 –13:30)

Afternoon Session: Ecosystem Dynamics, including Carbon, Water and Nutrient Cycles

13:30 – 15:00

- Oral presentations (4 x 20minutes)

15:00 – 15:30 Coffee break

15:30 – 17:00 Oral presentations

- Oral presentations (4 x 20 minutes)

17:30 – 19:00 Dinner at a local restaurant

19:00 - 22:00 Evening tour of the Harbin Ice Lantern Festival

Friday, February 4

Morning Session: Ecological and socioeconomic causes and consequences in the NEAR (forests, woodlands, wetlands, croplands, grazing lands and urban), including health and environmental impacts

8:00 – 10:00 Oral Presentations

- Oral presentations (6 x 20 minutes)

10:00 – 10:30 Coffee break**10:30 – 12:00 Oral presentations**

- Oral presentations (4 x 20 minutes)

12.00 –13:30 Lunch**Afternoon Session: Geospatial technologies and analytical tools for LCLUC analysis****13.30 –15:00 Oral Presentations**

- Oral presentations (4 x 20minutes)

15.00 –15:30 Coffee break**Afternoon Session: Educating LCLUC in North East Asia: Contribution to NEESPI educational component****15:30 – 17:00 Oral presentations**

- Oral presentations (4 x 20 minutes)

17:30 – 19:00 Dinner at a local restaurant**19:00 - 22:00 Evening tour of the Harbin City (optional)****Saturday, February 5****8:00 – 9:30 Concluding Session: Contribution to NEESPI, inventory of datasets and projects, future steps to enhance the NERIN****10:00 – Optional trip to Snow Festival and shopping centers****Posters**

There will be rooms for posters. Participants are welcome to bring their posters to display in the conference room where coffee breaks will be held.

Participation and registration

To participate in the conference, please send your presentation title and abstract to Dr. Jiaguo Qi at qi@msu.edu. Registration is also required for all participants. Please fill in and return the Registration Form. You can go to the website <http://www.digitalhlj.com> and then to the conference page to check your registration progress and other updated information. You can also look at <http://foliage.geo.msu.edu/research/lcluc-china.html> for more information. The conference will also send the relevant information to the registered participants.

Expenses (including conference materials, CDs, meals, etc.)

- (1) Full registration: US\$ 100.00/person
- (2) Accompanying person: US\$ 50.00 / person

Visa Regulations

Visa regulations of the People's Republic of China should be carefully checked well in advance. It is hoped that participants send in the registration form early so that the organizer will have enough time to process the necessary official formalities. Please note that visa fees are not included in the registration fees.

Contacts

More detailed information related to the conference will be made available on the website (<http://digitalhlj.com> or foliage.geo.msu.edu/research/lcluc-china.html). Further information is available to participants on request. Please contact the Conference Secretariat.

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Harbin: About the City



Harbin (哈尔滨) or Харби́н *Kharbin* in Russian is a sub-provincial city in north-east China and the capital of the Heilongjiang Province. It lies on the southern bank of Songhua River. Harbin is a thriving industrial city. It is also the political, economic, scientific, cultural and communications mecca of Northeast China. Harbin is known as one of the major cities in China and Northeast Asia.

- City seat: Daoli District
- Population: 9,410,000 (as of 2001)
- Area: 53775 km², 1637 km² urban
- Geographic coordinates: 125°42'-130°10' East, 44°04'-46°40' North
- GDP per capita: ¥18244 (ca. US\$2200) in 2003, ranked no. 84 among 659 Chinese cities.
- Mayor: Shi Zhongxin

Harbin bears the nickname "The Pearl on the swan's neck" because the shape of Heilongjiang resembles a swan. "Oriental Moscow" or "Oriental Paris" for the architecture in the city. "Ice City" for its long and cold winter.



For more information, check the following URLs:

- http://en.wikipedia.org/wiki/Harbin,_China
- <http://worldfacts.us/China-Harbin.htm>
- <http://harbincn.ags.myareaguide.com/>
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